

May 9, 2008

CANPLAS  
ALIAxis  
RAY WOO/RALPH GUINN  
500 VETERANS DRIVE  
BARRIE, ONTARIO, L4N9J5, CANADA

ABU-PLAST  
ALIAxis  
ULRIKE ARNOLD

POSTFACH 1109-D-96466  
RODENTAL, RODENTAL D-96466,  
GERMANY

Re: Description: AIR ADMITTANCE VALVES, EXPERIMENTAL PLUMBING SYSTEM  
Manufacturer: ABU-PLAST  
Product Name: CANPLAS AIR-ADMITTANCE VALVE  
Model Number(s): 76009 DN32-50 (112011/212011)  
Product File No: 20070322

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an **experimental** approval to s. Comm 82.31 based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of May 2009.**

This experimental approval is contingent upon compliance with the following stipulation(s):

- This product must be installed in accordance with the manufacturer's printed instructions, system approval, plan approval, and Wis. Adm. Code. If there is a conflict between the manufacturer's instructions and the plan approval, system approval or Wis. Adm. Code, the Wis. Adm. Code, plan approval and system approval will take precedence.
- This product must hold a pressure equal to one-inch water column for five minutes after the product is installed or immediately prior to installation.
- This product must be installed in the vertical position (plus or minus 15 degrees from plumb).
- Branches which have fixtures served by this product must comply with all of the following.
  - When connected to a stack which has four (4) or more branch intervals above the branch connection, the branch must be provided with a relief vent located between most downstream fixture and the stack, and
  - The branch must not connect to any horizontal drain within 20 pipe diameters downstream of the base of a two (2) inch or larger drain stack.
- This product may serve a pumped-discharge type clothes washer standpipe when:
  - The standpipe and trap is at least 2" inch in diameter,
  - The fixture drain between the trap and point of vent is at least 2" in diameter, and
  - The fixture drain downstream of the point of vent is at least 3" in diameter.
- This product must be located:
  - a minimum of 4 inches above the top of the horizontal pipe being served (see note a),
  - no more than 20 inches below the flood rim of any fixture served by this product (see note a),
  - at least 6 inches above insulation materials (see note a),

- in an accessible area,
- within a ventilated space that allows air to enter the product and has an opening with an area of at least one-inch to the building air or outside air, and
- in accordance with s. Comm 82.31 (9), Wis. Adm. Code.

Note a: The distance is measured from termination of the vent pipe to the point noted in the stipulation.

- This product may only serve as a termination point for a:
  - branch vent,
  - circuit vent,
  - common vent,
  - individual vent, or
  - wet vent.
  - combination drain and vent system
- This product may not be located in any of the following areas.
  - An enclosed stairwell,
  - an area subject to positive pressure conditions for more than 12 continuous hours,
  - an area utilized as supply or return air plenum,
  - a pit, vault or depression which is below the adjacent grade or floor level,
  - an area that subjects the valve to conditions with grease or other materials which could cause fouling of the valve's seal.
  - an area subjected to conditions causing the valve to be subjected to over 12 hours continuous negative or positive pressure greater than 0.3 inches. Note: A manometer testing of the HVAC system should be conducted, whenever possible prior to installation of the valves.
- This product may not serve as a vent termination point for any of the following.
  - Vents installed to relief positive pressures,
  - vents serving chemical waste system,
  - vents serving POWTS holding tank or, POWTS treatment tank,
  - a stack vent serving two (2) or more branch intervals,
  - a vent stack that is required in accordance with s. Comm 82.31 (4) (a),
  - a vent serving a sump, or
  - a vent system serving Bio Safety Lab (BSL) 3 or 4 laboratories.
- This product must be located:
  - a minimum of 4 inches above the top of the horizontal pipe being served (see note a),
  - no more than 20 inches below the flood rim of any fixture served by this product (see note a),
  - at least 6 inches above insulation materials (see note a),
  - in an accessible area,
  - within a ventilated space that allows air to enter the product and has an opening with an area of at least one-inch to the building air or outside air,
  - in accordance with s. Comm 82.31 (9), Wis. Adm. Code, and
  - with at least one open air vent located downstream of all air admittance valves extending to outside atmosphere, and
  - a 3 inch or larger vent must be installed in all systems that include air admittance valves installation.

Note a: The distance is measured from termination of the vent pipe to the point noted in the stipulation.

- This product must be tested to verify the product can hold a positive pressure equal to one-inch water column for five minutes and will open when it is subjected to a negative pressure equal to or less than minus 0.3 inches of water column after the product is installed or immediately prior to installation.
- This product may not be located within the same room or enclosure as a:
  - Bio Safety Lab (BSL) 3 and 4 laboratory,

- health care facility as defined in s. 81.01 (116), Wis. Adm. Code,
  - restaurant kitchen licensed by the state or local department of health, or
  - bedroom.
- Prior to installation, the designer/installer must receive written approval from the owner that an experimental AAV system will be installed. This written approval must be retained by the designer/installer for a time period of not less than 2 years.
  - This product must be located and the system sized in accordance with Table 1.

Canplas PermOseal AAV Model 20 DFU

Table 1

Maximum Drainage Fixture Units Served (see note a)	Maximum Developed Distance of Vent to Connection of Air Admittance Valve		
	1-1/4" Vent Diameter (see note b)	1-1/2" Vent Diameter (see note c)	2" Vent Diameter (see note d)
1	35	NL (see note e)	NL
3	28	140	NL
6	NP (see note f)	100	200
20 (see note d)	NP	60	110

Notes: a: Drainage Fixture Units based on ch. Comm 82, Wis. Adm. Code

b: No water closets permitted

c: Not more than two (2) water closets or similar type fixtures of four (4) or more drainage fixture units.

d: Use of model 6 DFU prohibited

e: NL means no limit

f: NP means not permitted

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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